

Williams[®]

16P-512-101
Game No. 512
September, 1982

VARKON

FOR SERVICE...
NOTE NEW TOLL-FREE
TELEPHONE NUMBERS:

800-621-1253
IN ILLINOIS CALL:
800-572-1324

Williams[®] 
ELECTRONICS, INC.
3401 N. California Ave., Chicago, IL 60618
Cable Address: WILCOIN, CHICAGO
(312) 267-2240

SPECIAL CONSIDERATIONS WHEN REPLACING CIRCUIT BOARDS

CPU Board

1. Revision level 7 CPU Boards (batteries located on lower left corner at board) or later boards must be used.
2. Must be equipped with blue-labeled Flipper ROMs and blue-labeled Game ROMs.
3. Jumpers W3, W10, W11, W14, W17, W19, W20, and W22 must be connected. Jumpers W4, W9, W12, W15, W16, W18, W21, and W23 must be removed. With the exception of W25, (Factory Setting Jumper) all other jumpers are not changed.

Sound Board

Must be jumpered for ROM operation and be equipped with Sound ROM 10. (Jumpers W2, W5, W7, W9, W10, W12, and W15 connected; W3, W4, W6, W11, and W13 removed).

Power Supply Board

1. Model D 8345 board required (equipped with relay).
2. Fuse F4 (10A SB) for flipper solenoids must be installed.

Display Boards

Model C 8363 Master Display and 7-digit Slave Displays required.

CONTENTS

Assembly and Interconnection	3/4
Inspection	3/4
Power Turn-On	3/4
Backbox Wiring Diagram	5
CPU Board Assembly Drawing	6
CPU Board Logic Diagram	7
Driver Board Assembly Drawing	8
Driver Board Logic Diagram (Sheet 1 of 2)	11
Power Supply Assembly and Schematic Diagrams	12
Power Wiring Diagram	13
Sound Board Assembly Drawing	14
Sound Board Logic Diagram	15/16
Insert Board Wiring Diagram	17
C 8363 Master Display Board Assembly Drawing	18
C 8363 Master Display Board Logic Diagram	19
C 8364 and C 8365 Slave Display Boards Assembly and Schematic Diagrams	20
Cabinet Wiring Diagram	21
Playfield Lamp Wiring Diagram	22
Solenoid Wiring Diagram	23
Playfield Switch Wiring Diagram	24

Game Setup

1. Open cash box door and remove cash box.
2. Open cash box and remove play balls for insertion in game.
3. Open rear door and remove power cord; insert it in notch cut in bottom of door frame.
4. Place one play ball into Upper Playfield outhole.
5. Open coin door.
6. Reach through coin door & remove two wing nuts (marked by hanging tags) holding Lower Playfield in position.
7. Place one play ball in Lower Playfield and replace Lower Playfield with wing nuts.

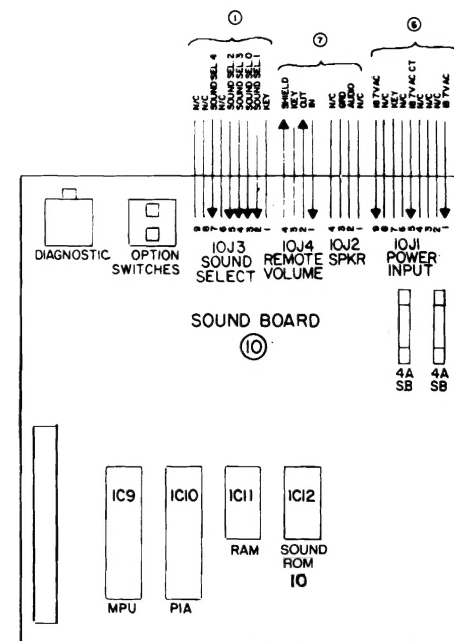
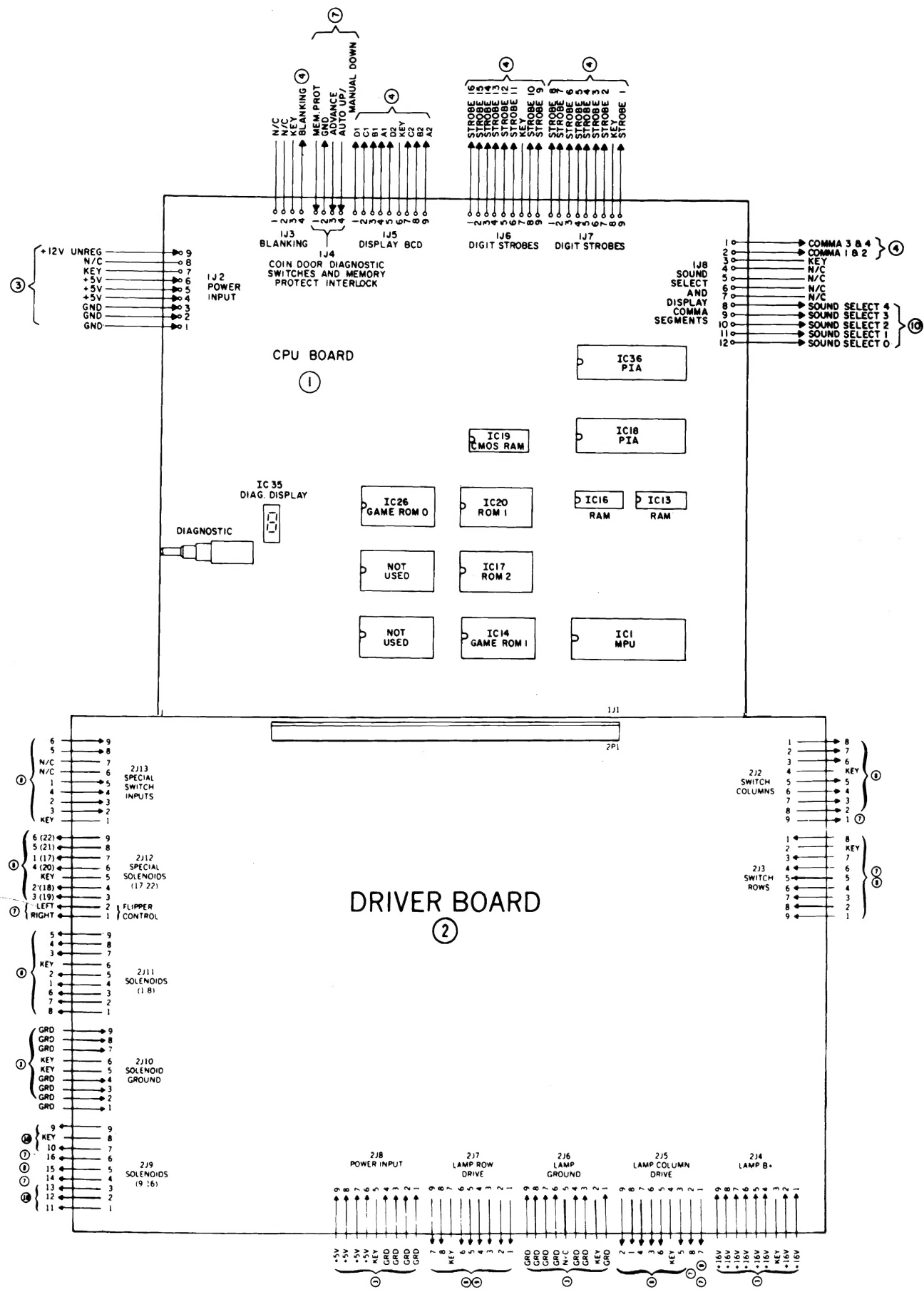
Inspection

1. Check all cable connectors for loose wire terminations. Reseat any loose wires by pushing in on terminal.
2. Push on all connectors attached to Master Display, CPU, Power Supply, Driver, and Sound Boards, and check terminations on Power Input Board capacitor and bridge rectifiers at bottom of cabinet.
3. Gently press on all socketed IC packages on circuit boards.
4. Check all fuses: 2 on Sound Board, 7 on Power Supply Board, and line fuse on Power Input Board (on cabinet floor).
5. Push on connectors attached to Slave Display Boards.
6. Check coin door interlock switch and diagnostic switches wire terminations.

Power Turn-On

CAUTION - This game must be plugged into a properly grounded outlet to prevent shock hazard and to ensure proper game operation. DO NOT use a "cheater" plug to defeat the ground pin on the line cord, and DO NOT cut off the ground pin.

1. Carefully inspect rear door printed circuit boards and displays, cabinet wall printed circuit boards and cabinet floor Power Input Board to see they are securely mounted in place.
2. Close and lock rear door, cash box door, and coin door.
3. Turn on game using toggle switch located where power cord notch is cut.

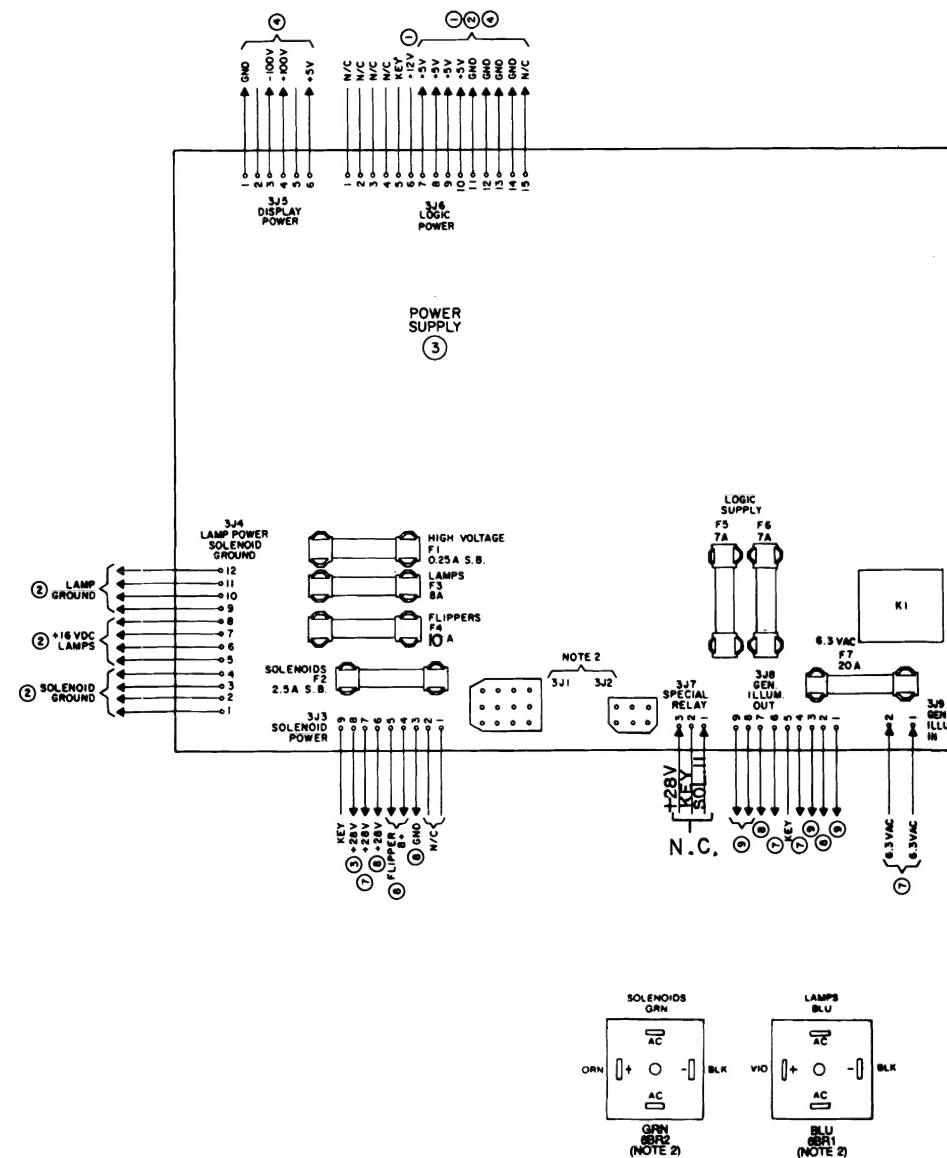


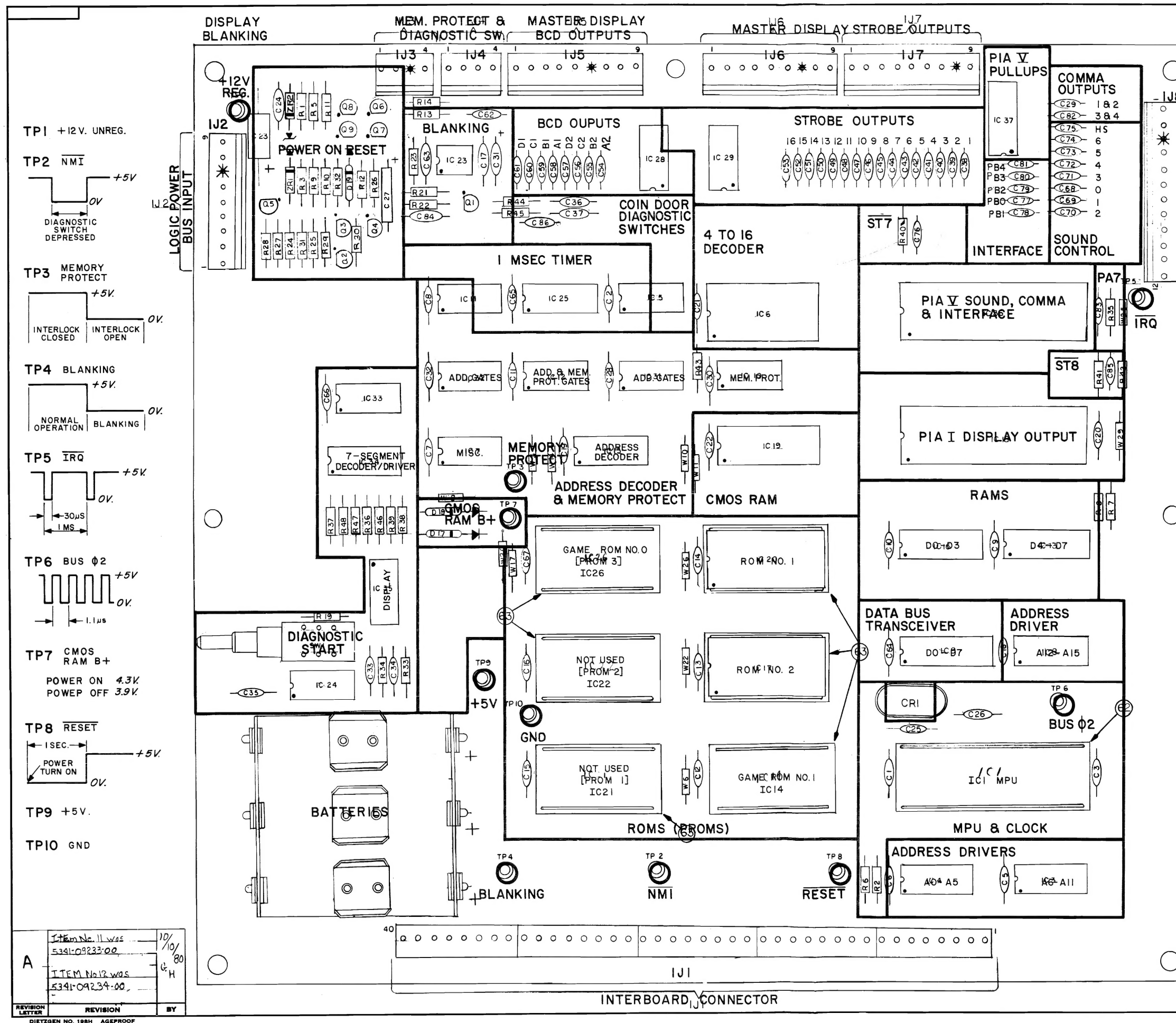
NOTES:

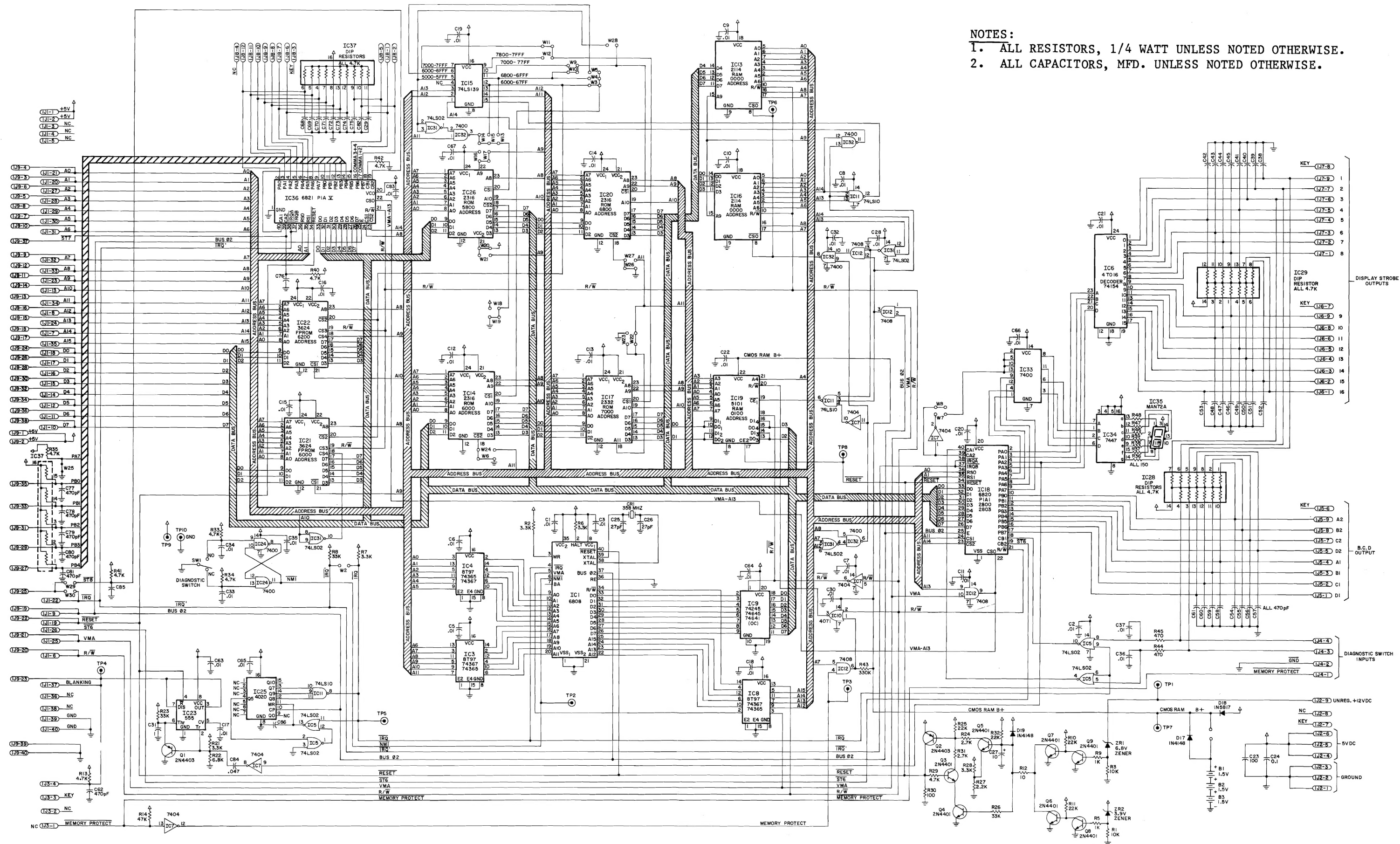
1. CONNECTIONS ARE INDICATED BY CIRCLED NUMBERS AS FOLLOWS:

- ① CPU BOARD
- ② DRIVER BOARD
- ③ POWER SUPPLY BOARD
- ④ MASTER DISPLAY BOARD
- ⑤ SLAVE DISPLAY BOARD
- ⑥ CONTROL PANEL
- ⑦ CABINET
- ⑧ PLAYFIELD
- ⑨ INSERT BOARD
- ⑩ SOUND BOARD
- ⑪ NOT ASSIGNED

2. REFER TO POWER WIRING DIAGRAM
FOR CONNECTIONS TO 3P1.



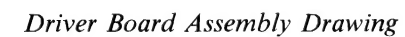


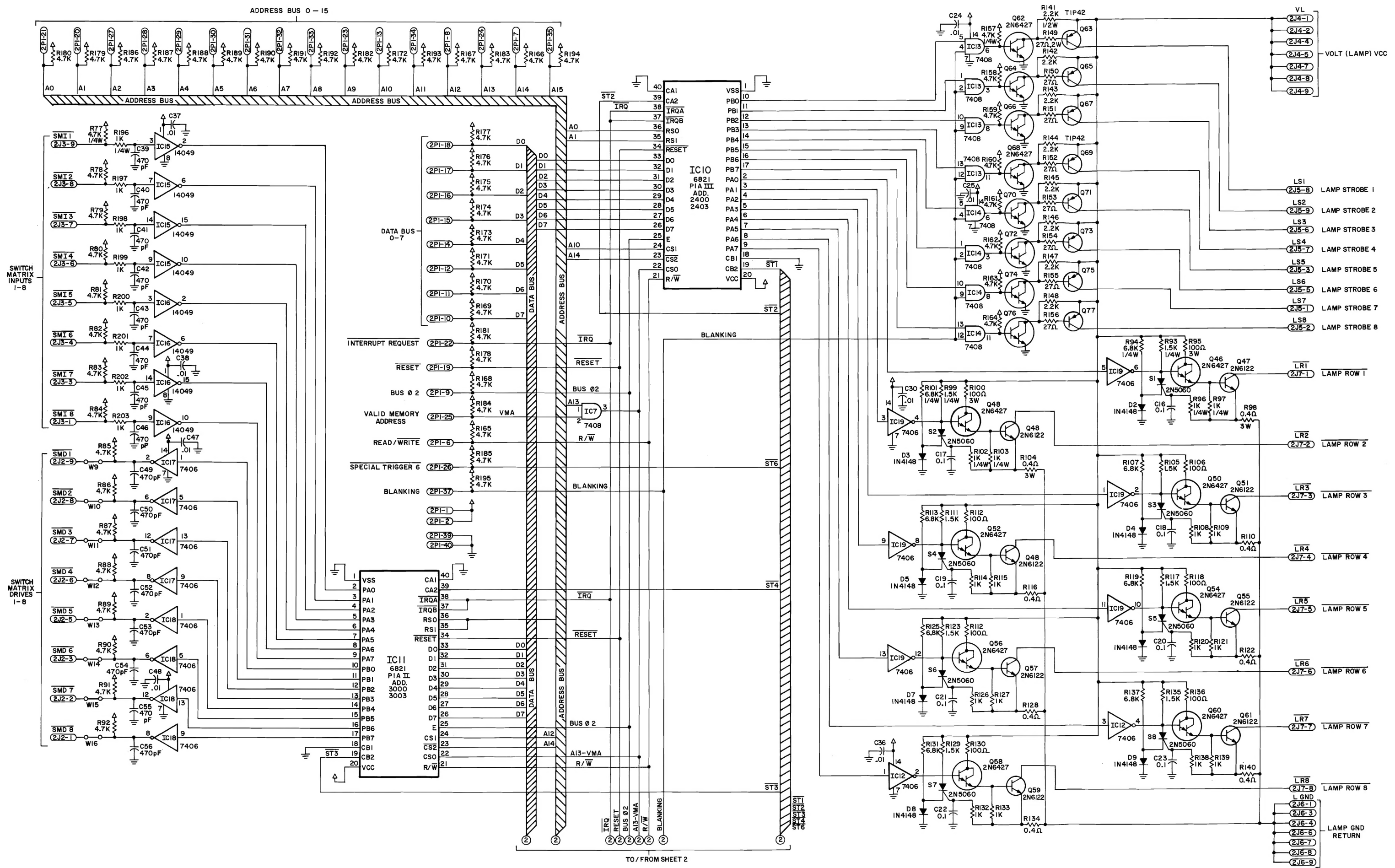


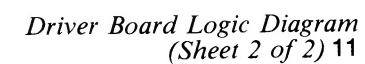
NOTES :

1. ALL RESISTORS, 1/4 WATT UNLESS NOTED OTHERWISE.
2. ALL CAPACITORS, MFD. UNLESS NOTED OTHERWISE.

CPU Board Logic Diagram

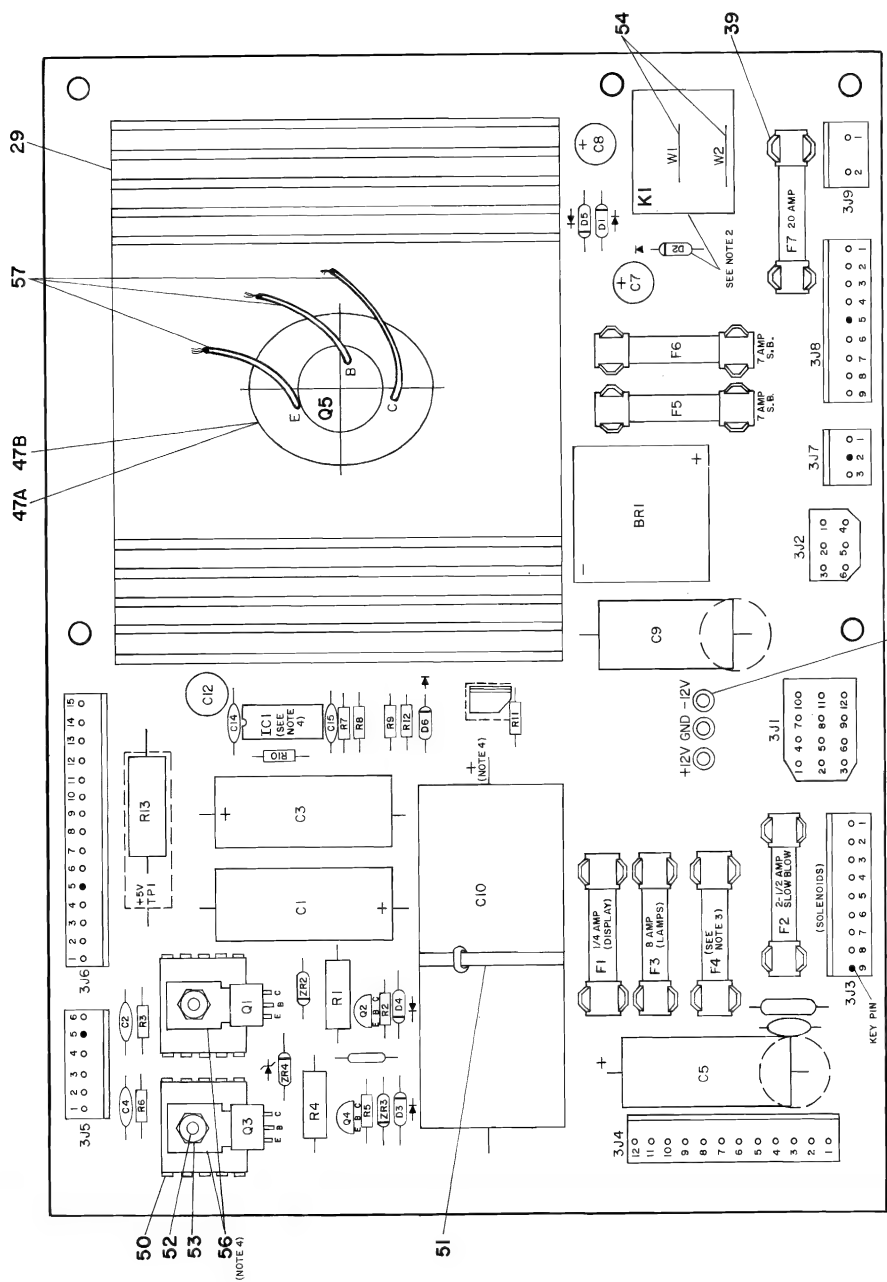




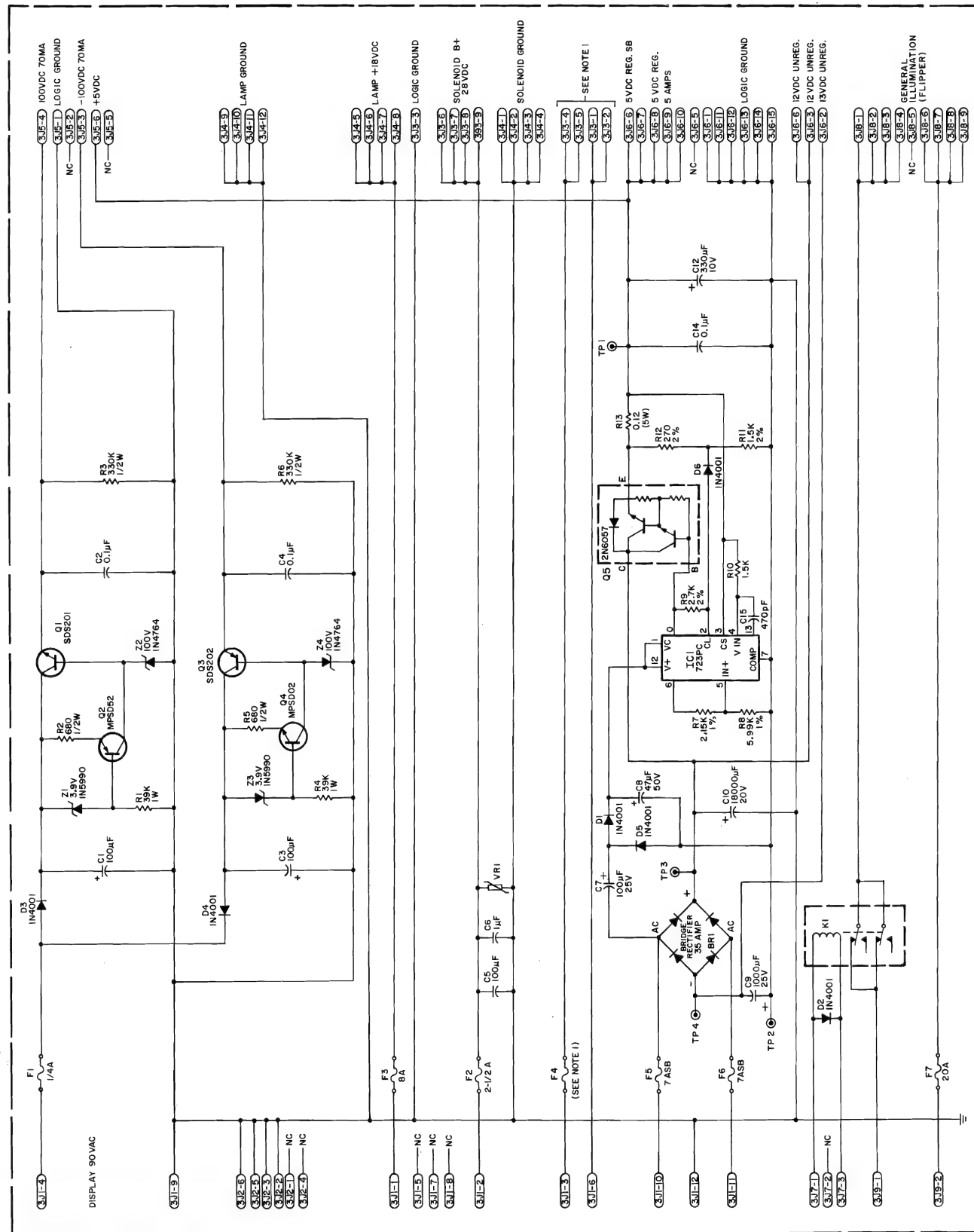


BILL OF MATERIAL

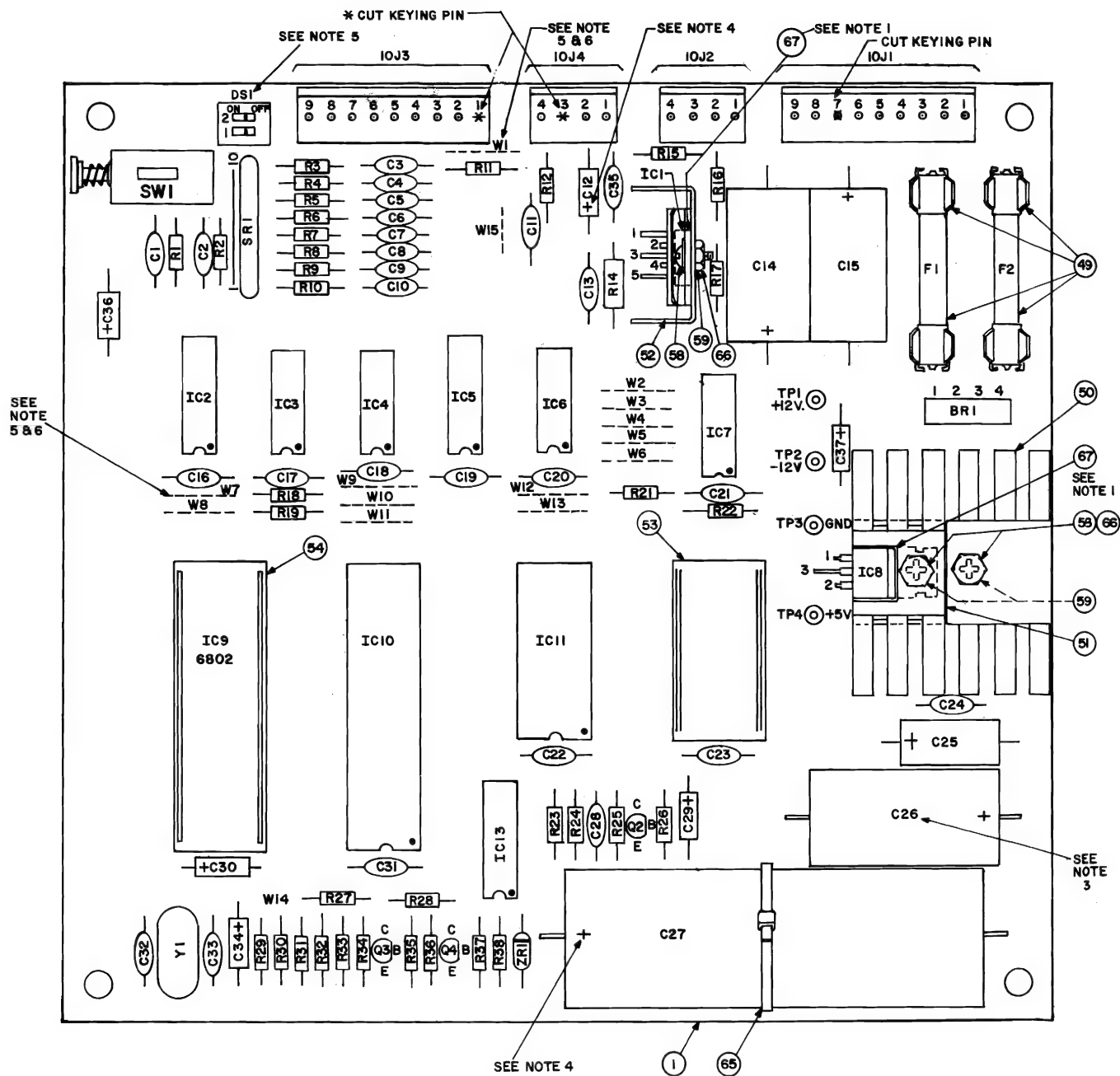
ITEM NO.	PART NO.	DESIGNATION	DESCRIPTION	REQ'D NO.
1	5765-09466	R7	BARE P.C. BOARD	1
2	5013-09426	R8	RESISTOR, 2.15K, 1%, 1/4 W, METAL FILM	1
3	5013-09427	R9	RESISTOR, 4.99K, 1%, 1/4 W, METAL FILM	1
4	5010-09428	R10	RESISTOR, 1.5K, 2%, 1/4 W, CARBON FILM	1
5	5010-09085	R11	RESISTOR, 2.7K, 2%, 1/4 W, CARBON FILM	1
6	5010-09081	R12	RESISTOR, 270 OHM, 2%, 1/4 W, CARBON FILM	1
7	5010-09508	R13	POWER RESISTOR, 0.12 OHM, 5%, 10W, RADIAL	1
8	5012-09429	R14	RESISTOR, 39K, 5%, 1 W, 2	2
9	5010-09536	R15	RESISTOR, 680 OHM, 2 W, 2	2
10	5010-09061	R16	RESISTOR, 330K, 5%, 1/2 W, 2	2
11	5010-09069	R17	CAP., ELECTROLYTIC, 18,000 MFD, 20V, AXIAL	1
12	5040-09419	C9	CAP., ELECTROLYTIC 1,000 MFD 25V, RADIAL OR AXIAL	1
13	5040-09420	C10	CAP., ELECTROLYTIC 330 MFD, 10V, RADIAL	1
14	5040-09423	C11	CAPACITOR, 470 PFD	1
15	5043-09065	C12	CAPACITOR, 100 MFD, ELECT., 150V	2
16	5040-09053	C13	100V. AXIAL OR RADIAL	1
17	5040-09070	C14	CAPACITOR, 0.1 MFD, 50V, DISC.	1
18	5070-09446	D1, D2, D3, D4, D5, D6	DIODE, IN4001	6
19	5070-09258	ZR1, ZK3	ZENER, IN590, 3.9V, 5W	2
20	5075-09059	ZR2, ZK4	ZENER, IN764, 100V, 5W	2
21	5075-09060	C2, C4, C6	VOLTAGE REGULATOR, MC1723 PC	3
22	5060-09424	C7	CAPACITOR, 0.1 MFD, 200V, DISC	1
23	5040-09421	C8	CAPACITOR, 100 MFD, 25V, RADIAL	1
24	5164-09057	Q1	TRANSISTOR, SDS 201 NPN	1
25	5164-09056	Q4	TRANSISTOR, MPS D02 NPN	1
26	5164-09056	Q3	TRANSISTOR, SDS 202 PNP	1
27	5194-09058	Q2	TRANSISTOR, MPS D52 PNP	1
28	5194-09055	Q5	HEAT SINK	1
29	5705-04431	3J5	CONNECTOR, 6 PIN (H)	1
30	5791-09067	3J6	CONNECTOR, 15 PIN (H)	1
31	5791-09074	3J7	CONNECTOR, 9 PIN (H)	2
32	5791-09027	3J8	CONNECTOR, 6 PIN (H)	1
33	5791-09038	3J9	TRANSISTOR, POWER, 2N6087 NPN	1
34	5162-09425	3J1	CONNECTOR, 12 PIN (H)	1
35	5791-09043	3J2	CONNECTOR, 3 PIN (H)	1
36	5791-09435	3J3	CONNECTOR, 2 PIN (H)	1
37	5791-09436	3J4	CONNECTOR, 12 PIN	1
38	5791-09088	3J5	FUSE, 1/2 AMP, S.B.	1
39	5732-09178	F2	FUSE, 8 AMP	1
40	5731-09128	F3	FUSE, 10 AMP, OR,	1
41	5730-09508	F4	FUSE, 15 AMP	1
42	5730-09507	F5	FUSE, 20 AMP	1
43	5730-09127	F6	FUSE, 20 AMP	1
44	5017-09061	F7	VARIATOR	1
45	5731-09761	VR1	MICA INSULATOR	1
46	5701-09538	K1	RELAY, 24 VDC, 10 AMP, DPDT	1
47	5580-09555	BR-1	TERMINAL, #1502-1 (TEST POST)	3
48	5824-09248	W1	BRIDGE RECTIFIER, 35 AMP, 100V	2
49	5100-09418	W2	HEAT SINK	1
50	5705-09042	3A-7520-1	TIE WAP	2
51	3A-7520-1	4005-01016-07	5-40 X 7/16 R.H. MECH. SCREW	2
52	4405-01016-07	5040-09422	5-40 HEX NUT	2
53	4405-01117	20-9229	JUMPER, #18 AWG	2
54	5040-09422	20-9229	CAPACITOR, 47 MFD, 50V, RADIAL	1
55	5040-09422	20-9229	TERMINAL COMPOUND	1
56	5040-09422	20-9229	LEAD WIRE, #18 AWG (37")	3
57	5040-09422	20-9229	FUSE, 7A, 5-B., 250V	2
58	5731-09432			



- NOTES:
1. HEAT SINK COMPOUND MUST BE APPLIED BETWEEN TRANSISTOR AND HEAT SINK.
 2. FOR BLACKOUT AND FUTURE GAME WITH SAME FEATURE REMOVE JUMPER (W1 & W2) AND INSERT RELAY K1. DIODE D2 AND 3J7.
 3. ALLEYS F4 IS 20 AMP.
 4. OBSERVE JUMPER POSITION AND INTEGRATED CIRCUIT POLARITY OF CAPACITORS, DIODE AND FUSE.
 5. REFERENCE DWG: SCHEMATIC 16-4786.



- NOTE:
1. ON FLIPPER GAMES F4 IS 10 AMPS, OR 15 AMPS. FOR FLIPPERS COLLS 3J3-1 & 3J3-2 ARE NOT CONNECTED.
 2. ON SHUFFLE ALL 9V F4 IS 20 AMPS 3J1-1 & 3J1-2 ARE NOT CONNECTED.
 3. ON SHUFFLE ALL 9V F4 IS 20 AMPS 3J1-1 & 3J1-2 ARE NOT CONNECTED.
 4. UNLESS OTHERWISE INDICATED ALL RESISTORS ARE IN OHMS (Ω) / A WATT.



BILL OF MATERIAL				
ITEM NO.	PART NO.	PART DESIGNATION	DESCRIPTION	REQ'D. NO.
1	01-2 01-146-6		BARE P.C. BOARD REV F	1
2	5370-09156-00	IC1	TDA 2002 V AUDIO AMPLIFIER	1
3	5280-09012-00	IC2	7442 BCD-DEC DECODER	1
4	5280-09073-00	IC3	7400 QUAD 2 INPUT NAND	1
5	5280-08973	IC4	7408 QUAD 2 INP. AND GATE	1
6	5310-09153-00	IC5	4050 BUFFER	1
7	5310-09154-00	IC6	4068 8 INPUT NAND GATE	1
8	5310-08971-00	IC7	4069 HEX INVERTER	1
9	5250-09157-00	IC8	7805 5 VOLT REG. W/T0 220 CASE	1
10	5430-08972-00	IC10	6821 P.I.A.	1
11	5340-09003-00	IC11	6810 RAM	1
12	5371-09152-00	IC13	1408 D/A CONVERTER	1
13	5160-08938-00	Q2, Q3, Q4	2N4401 NPN TRANSISTOR	3
14				
15	5075-09018-00	ZR1	1N5996A 6.8V ZENER DIODE	1
16				
17	5100-09357-00	BR1	MDA 200/3N253	1
18	5100-09158-00		BRIDGE RECTIFIER	0
19	5520-09020-00	Y1	3.58 MHZ CRYSTAL	1
20	5010-08991-00	R1,R18,R19,R21,R22, R27,R30,R31, R32	RESISTOR, FC, 4.7K OHM, 5% 1/4 WATT	9
21	5010-09036-00	R2 thru R10	RESISTOR, FC, 100 OHM, 5% 1/4W	9
22	5010-09358-00	R12,R15,R28,R36,R38	RESISTOR, FC, 1K OHM, 5% 1/4W	5
23	5010-09181-00	R14	RESISTOR, FC, 1 OHM, 10% 1/2 WATT	1
24	5010-09161-00	R16	RESISTOR, FC, 2.2 OHM, 5% 1/4 WATT	1
25	5010-09361-00	R17	RESISTOR, FC, 220 OHM, 5% 1/2 WATT	1
26	5010-08983-00	R23, R24, R26	RESISTOR, FC, 3.3K OHM, 5% 1/4 WATT	3
27	5010-09179-00	R25	RESISTOR, FC, 3.3M OHM, 5% 1/4 WATT	1
28	5010-09035-00	R29	RESISTOR, FC, 47K OHM, 5% 1/4 WATT	1
29	5010-09034-00	R33, R35, R37	RESISTOR, FC, 10K OHM, 5% 1/4 WATT	3
30	5010-09039-00	R34	RESISTOR, FC, 10 OHM, 5% 1/4 WATT	1
31	5043-08980-00	C1, C16 thru C23, C31	CAPACITOR, CER. .01 MFD. 50V. +80%, -20%	10
32	5043-09065-00	C2 thru C10	CAPACITOR, CER. .470 PFD. 50V. +20%	9
33	5043-09345-00	C11	CAPACITOR, CER. .001 MFD. +20% 100V.	1
34	5040-09365-00	C12, C30, C36	CAPACITOR, ELECT. 1 MFD. 63V. -10 +50%	3
35	5043-08996-00	C13, C24, C35	CAPACITOR, CER. .1 MFD. 50V. +20%	3
36	5040-09165-00	C14	CAPACITOR, ELECT. 1,000 MFD. 16V. +20%	1
37	5040-09164-00	C15	CAPACITOR, ELECT. 470 MFD. 10V. +20%	1
38	5040-08986-00	C25	CAPACITOR, ELECT. 100 MFD. 10V. +20%	1
39	5040-08893-00	C26	CAPACITOR, ELECT. 1,000 MFD. 25V. +20%	1
40	5040-09376-00	C27	CAPACITOR, ELECT. 4700 MFD. 16V. +20%	1
41	5043-09180-00	C28	CAPACITOR, CER. 47 PFD. 1K V. +20%	1
42	5040-09343-00	C29	CAPACITOR, ELECT. 10 MFD. 20V	1
43	5043-09169-00	C32, C33	CAPACITOR, CER. DISC, 27 PFD. 1KV. +10%	2
44	5041-09163-00	C34	CAPACITOR, TANTALUM 2.2 MFD. 15V. +20%	1
45	5041-09031-00	C37	CAPACITOR, TANTALUM 1 MFD. 25V. +20%	1
46	5641-09658-00	SW1	MOMENTARY SWITCH SPDT	1
47	5645-09330-00	DS1	2 STD, DIP SWITCH	1
48	5731-06314-00	F1, F2	4 AMP SLOW BLOW FUSE	2
49	5732-09178-00		FUSEHOLDER	4
50	5705-09172-00		HEAT SINK THERMALLOY #6072B	1
51	5705-09173-00		HEAT SINK THERMALLOY #6071B	1
52	5705-09199-00		HEAT SINK THERMALLOY #6030	1
53	5700-09004-00		24 PIN SOCKET	1
54	5700-08985-00		40 PIN SOCKET	1
55	5791-09027-00	10J1, 10J3	9 PIN MALE CONNECTOR 09-65-1091	2
56	5791-09028-00	10J2, 10J4	4 PIN MALE CONNECTOR 09-65-1041	2
57				
58	4006-01003-06		6-32x3/8" P-PH-S	3
59	4406-01117-00		6-32 HEX NUT	3
60	5010-09534-00		0 OHM RESISTOR	A/R
61	5824-09248-00	TP1 THR TP4	TERMINAL #1502-1	4
62	5010-09363-00	R11	RESISTOR, FC, 5.6K OHM 5% 1/4 WATT	1
63				
64	5019-09362-00	SR1	RESISTOR, 4.7K OHM 10 PIN SIP	1
65	03-7520-1		TIE WRAP	1
66	4703-00007-00		#6 EXT. LOCKWASHER	3
67	20-9229		THERMAL COMPOUND	.01

- NOTES:
1. USE THERMAL COMPOUND BETWEEN IC1 AND IC8, AND HEAT SINKS.
 2. CAUTION: AVOID STATIC DISCHARGE DAMAGE TO MOS LOGIC.
 3. SYMBOLS SHOWN ON COMPONENTS ARE FOR REFERENCE ONLY. DO NOT SCREEN OR STAMP.
 4. OBSERVE INDEX MARK OF ALL INTEGRATED CIRCUITS;

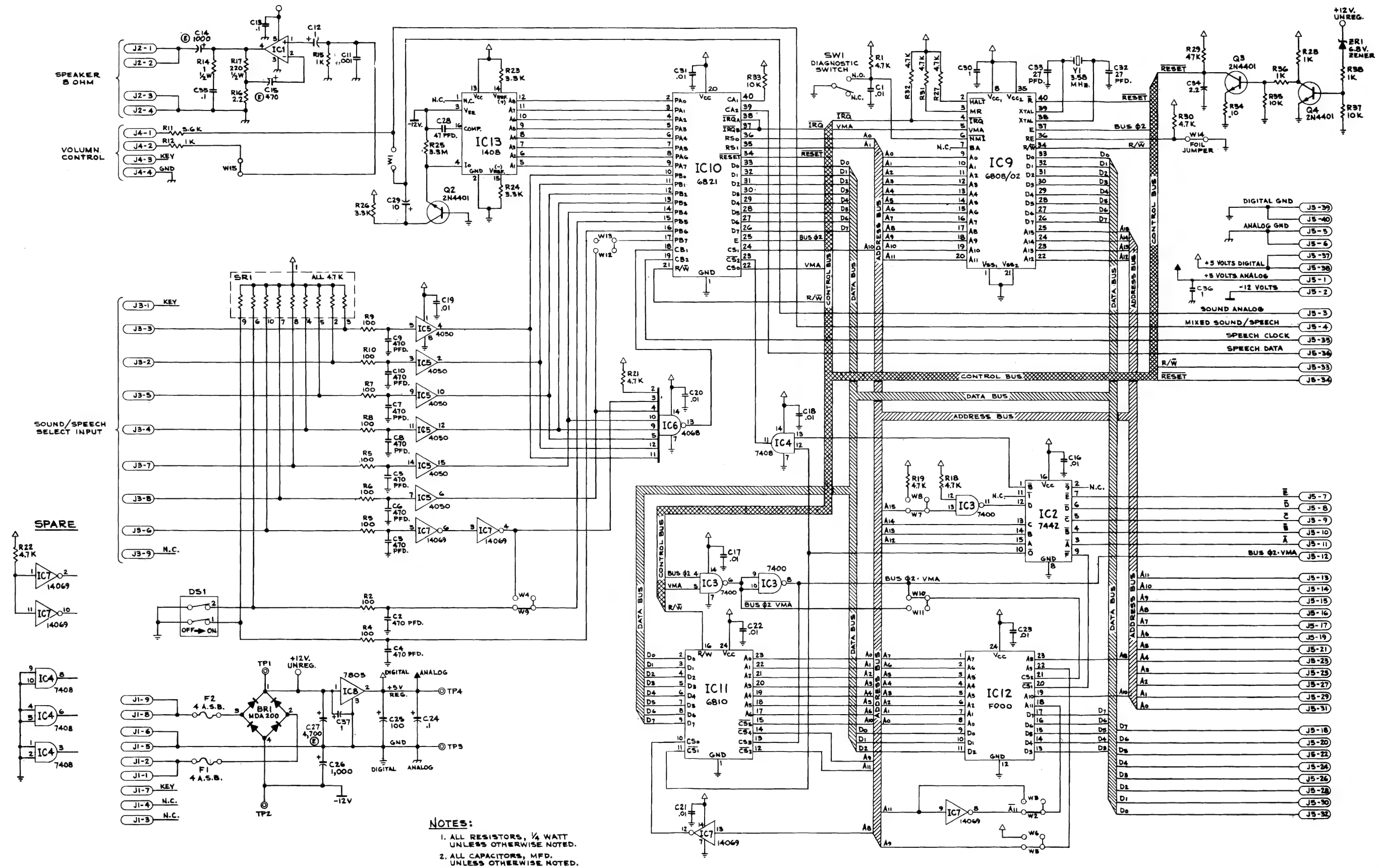
DIODES D1, D2, AND ZR1;

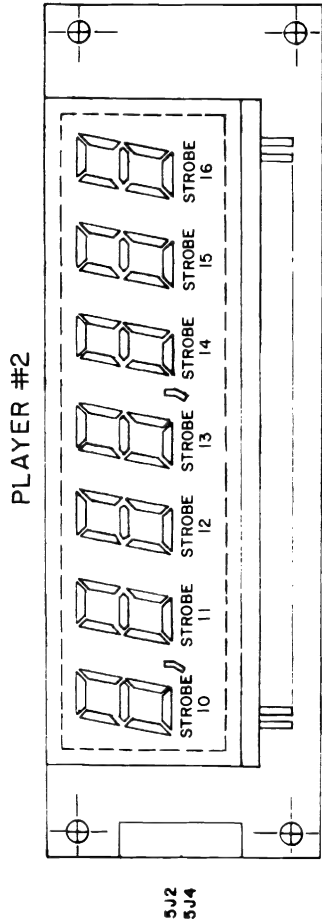
CAPACITORS C12, C14, C15, C25, C26, C27;

CONNECTORS 10J1, 10J2, 10J3, 10J4, 10J5;

POSITION OF TRANSISTORS Q1, Q2, Q3, Q4.

5. JUMPERS
- | | |
|--------|----------|
| W2) | W3) |
| W5) | W4) |
| W9) IN | W6) |
| W10) | W11) OUT |
| | W12) |
| | W13) |

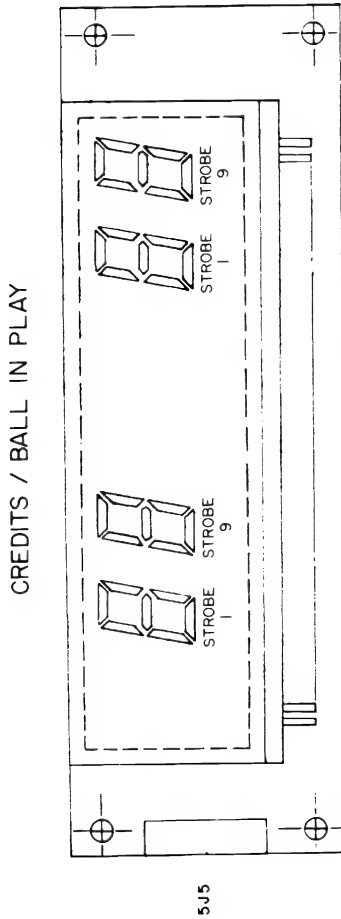
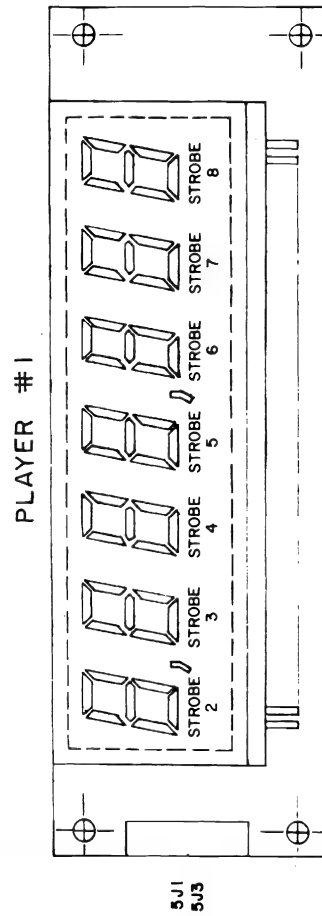
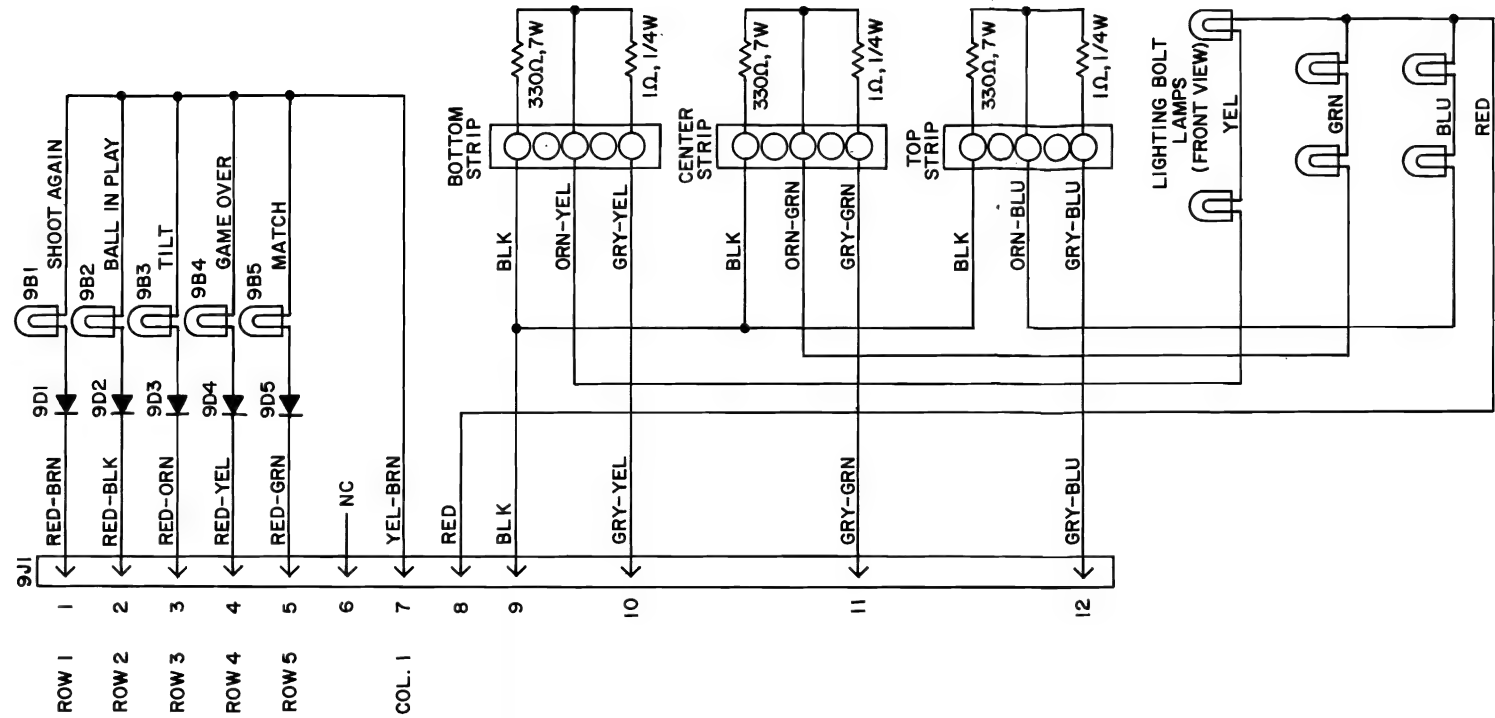
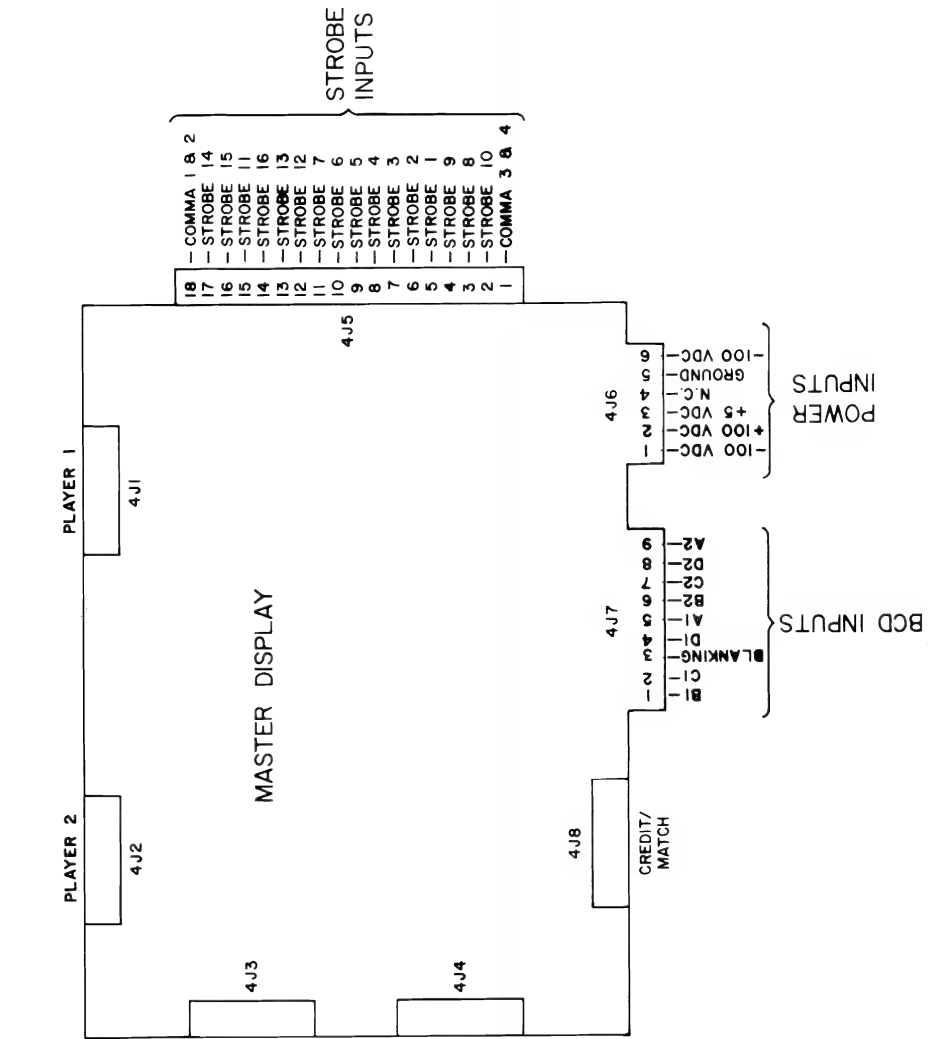
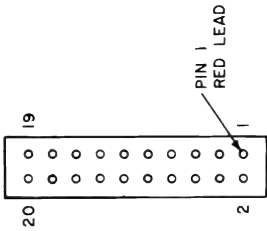


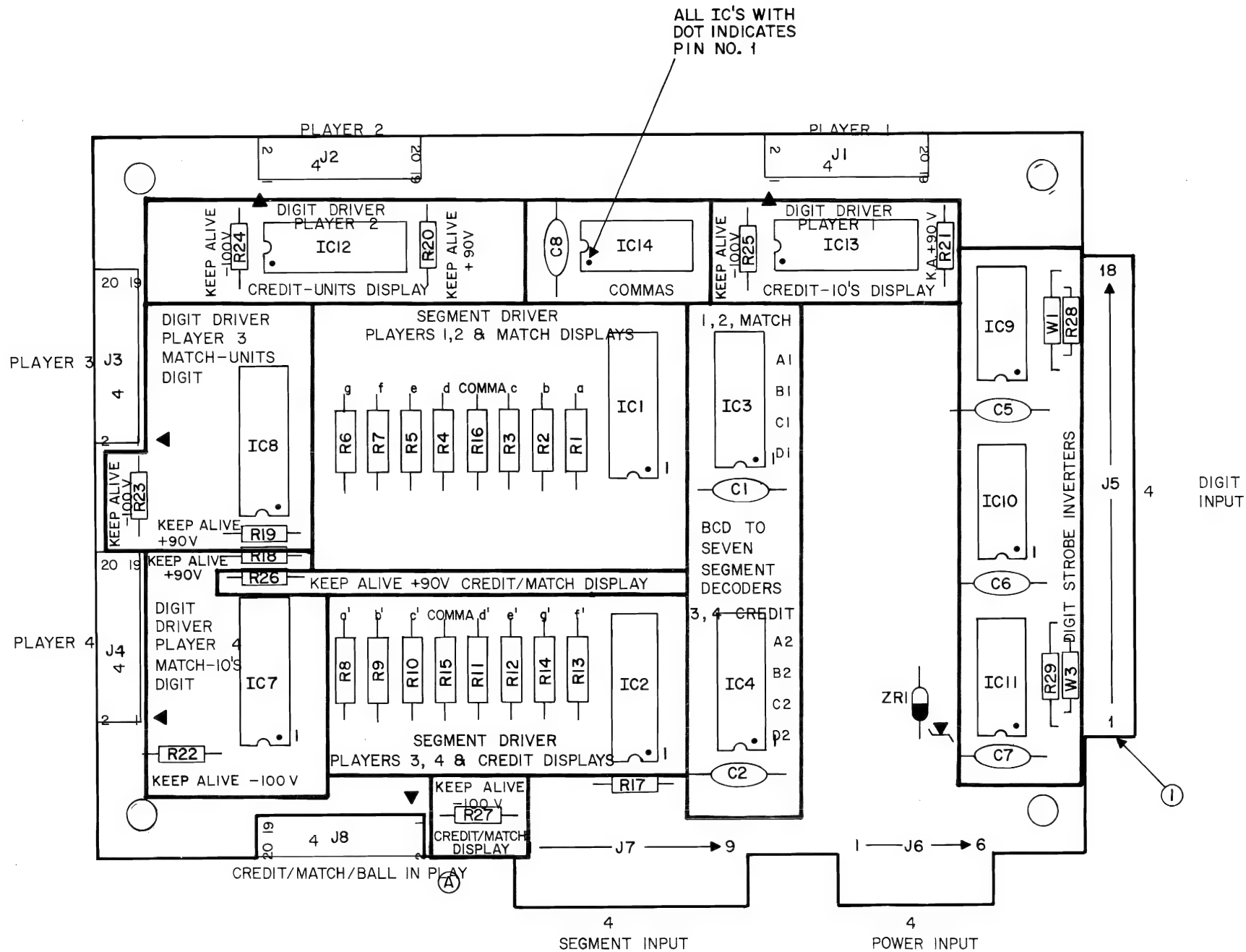


- 4J2/5J2 (PLAYER 2)**
- | | |
|----|------------------|
| 1 | 100,000's |
| 2 | -100V KEEP ALIVE |
| 3 | 1,000,000's |
| 4 | f' SEGMENT |
| 5 | N/C |
| 6 | g' SEGMENT |
| 7 | +100V (N/C) |
| 8 | e' SEGMENT |
| 9 | 10,000's |
| 10 | d' SEGMENT |
| 11 | 1,000's |
| 12 | +100V KEEP ALIVE |
| 13 | 100's |
| 14 | COMMA |
| 15 | 10's |
| 16 | c' SEGMENT |
| 17 | N/C |
| 18 | b' SEGMENT |
| 19 | UNITS |
| 20 | a SEGMENT |
- 4J8/5J5 (CREDIT/MATCH)**
- | | |
|----|---------------------|
| 1 | f' Segment (Credit) |
| 2 | -100V Keep Alive |
| 3 | e' Segment |
| 4 | g' Segment |
| 5 | c' Segment |
| 6 | d' Segment |
| 7 | b' Segment |
| 8 | 10's |
| 9 | Units |
| 10 | a' Segment |
| 11 | e' Segment |
| 12 | f' Segment |
| 13 | 10's |
| 14 | d' Segment |
| 15 | +100V Keep Alive |
| 16 | c' Segment |
| 17 | g' Segment |
| 18 | b' Segment |
| 19 | Units |
| 20 | a Segment |

- 4J1/5J1 (PLAYER 1)**
- | | |
|----|------------------|
| 1 | 100,000's |
| 2 | -100V KEEP ALIVE |
| 3 | 1,000,000's |
| 4 | f' SEGMENT |
| 5 | N/C |
| 6 | g' SEGMENT |
| 7 | +100V (N/C) |
| 8 | e' SEGMENT |
| 9 | 10,000's |
| 10 | d' SEGMENT |
| 11 | 1,000's |
| 12 | +100V KEEP ALIVE |
| 13 | 100's |
| 14 | COMMA |
| 15 | 10's |
| 16 | c' SEGMENT |
| 17 | N/C |
| 18 | b' SEGMENT |
| 19 | UNITS |
| 20 | a SEGMENT |

DETAIL A
4J1 - 4J4, 4J8
5J1 - 5J5
CONNECTORS



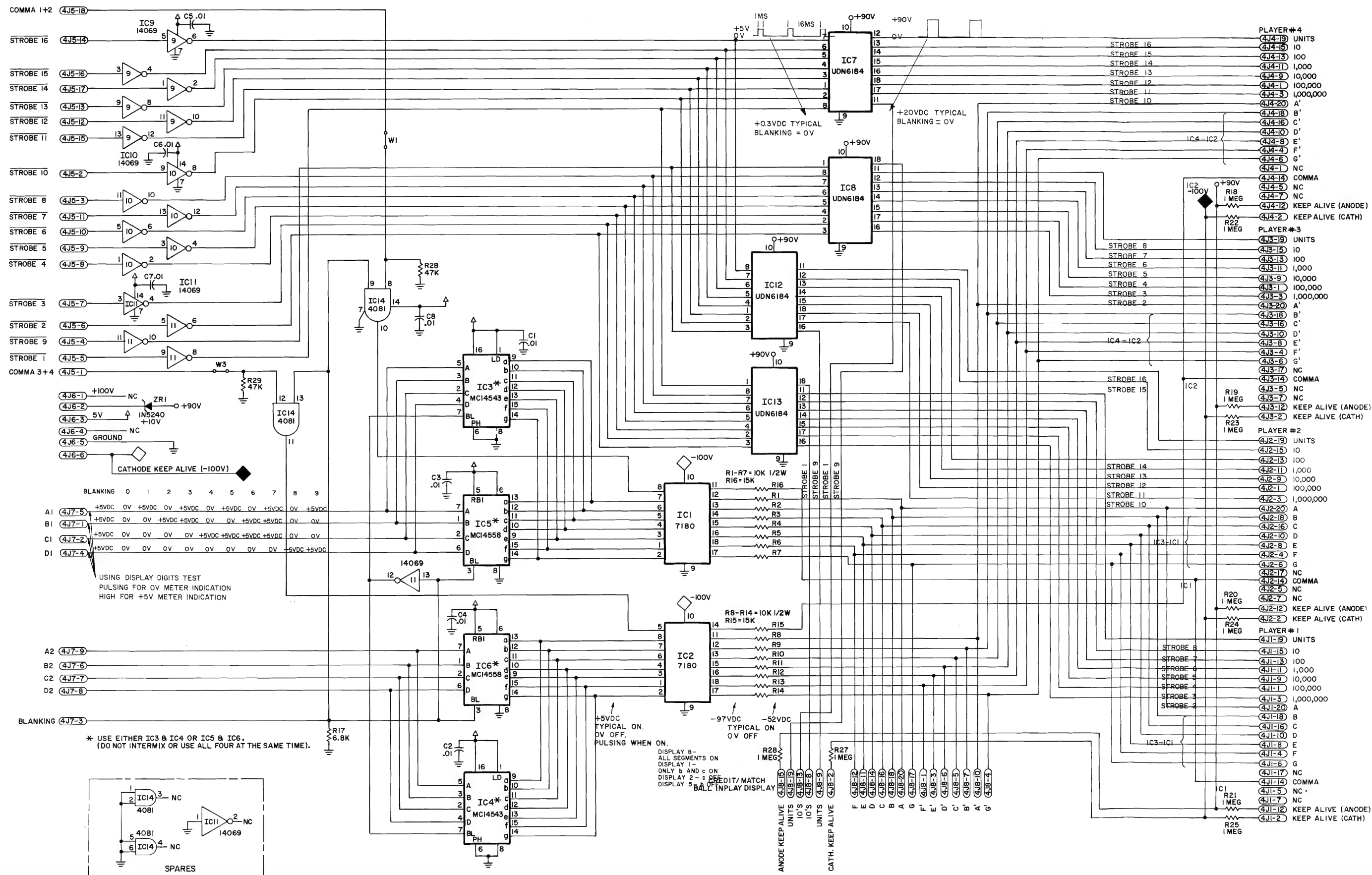


BILL OF MATERIAL

ITEM NO.	PART NO.	PART DESIGNATION	DESCRIPTION	REQ'D NO.
1	5760-09461		BARE P.C. BOARD	1
2	5310-08971	IC9, IC10, IC11	MC14069 HEX INVERTER	3
3	5310-08970	IC3, IC4	MC14543 BCD TO SEVEN SEGMENT LATCH/DECODER/DRIVER	2
4	5680-08969	IC1, IC2	UDN-7180 GAS DISCHARGE DISPLAY SEGMENT DRIVER	2
5	5680-08968	IC7, IC8, IC12, IC13	UDN-6184A OR UDN-6118A GAS DISCHARGE DISPLAY SEGMENT DR.	4
6	5310-09450	IC14	MC14081 QUAD 2-INPUT AND GATE	1
7	5010-08981	R1-R14	RESISTOR, FC, 10K OHM, 5%, 1/2 WATT	14
8	5075-09135	ZR1	IN4740A ZENER DIODE 10V, 5%, 1 WATT	1
9	5043-08980	C1, C2 C5 THRU C8	CAPACITOR, CERAMIC, 0.01 MFD., 50V, +80 -20%	6
10	5010-09035	R28, R29	RESISTOR, FC, 47K OHM, 5%, 1/4 WATT	2
11	5010-09086	R17	RESISTOR, FC, 6.8K OHM, 5%, 1/4 WATT	1
12	5010-08982	R18 THRU R27	RESISTOR, FC, 3 MEG. OHM, 5%, 1/4 WATT	10
13	5791-09437	J1 THRU J4, J8	20 PIN RIBBON HEADER	5
14	5010-09149	R15, R16	RESISTOR, FC, 15K OHM, 5%, 1/2 WATT	2
15	5010-09534	W1, W3	RESISTOR, 0 OHM	2

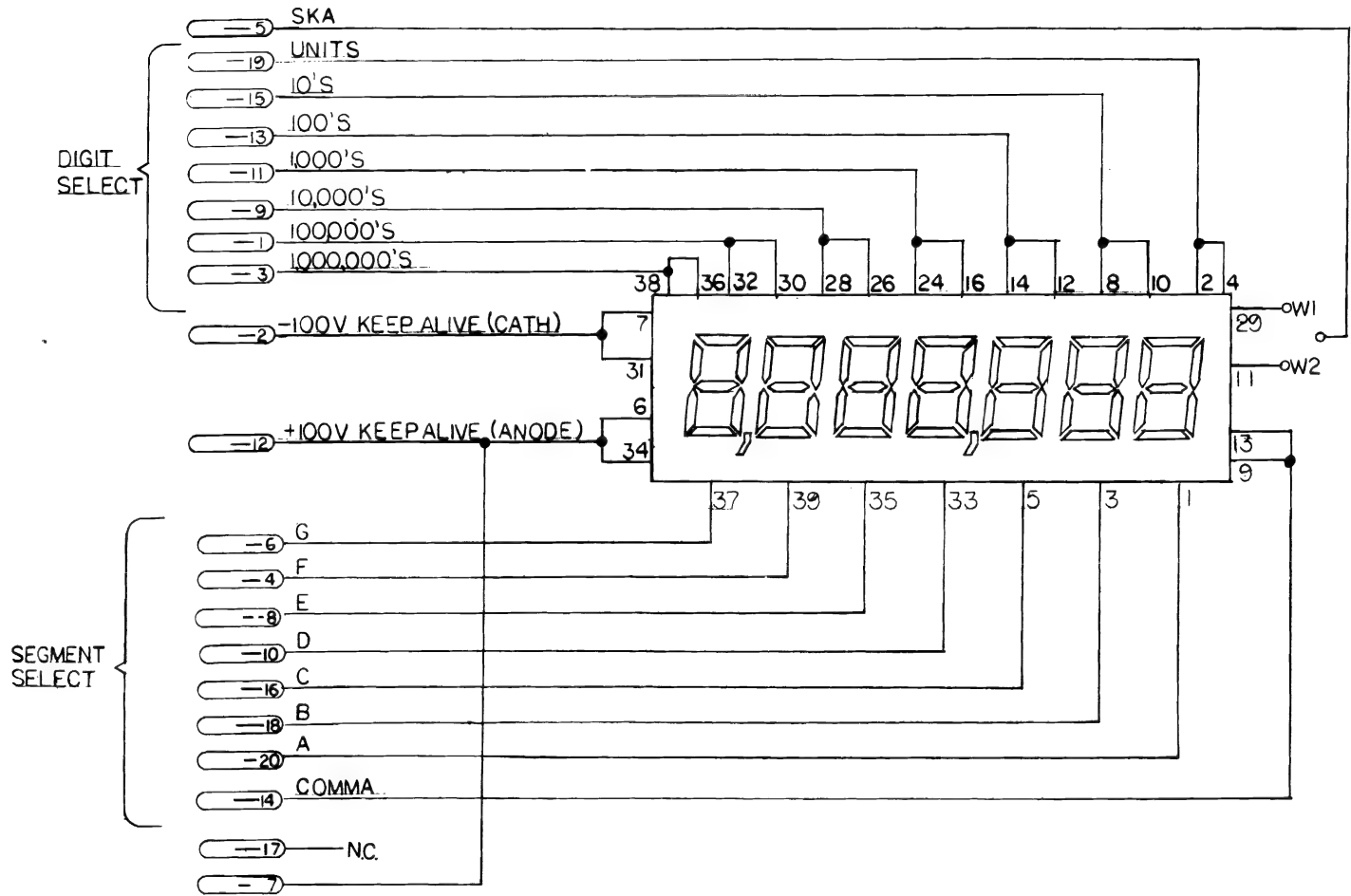
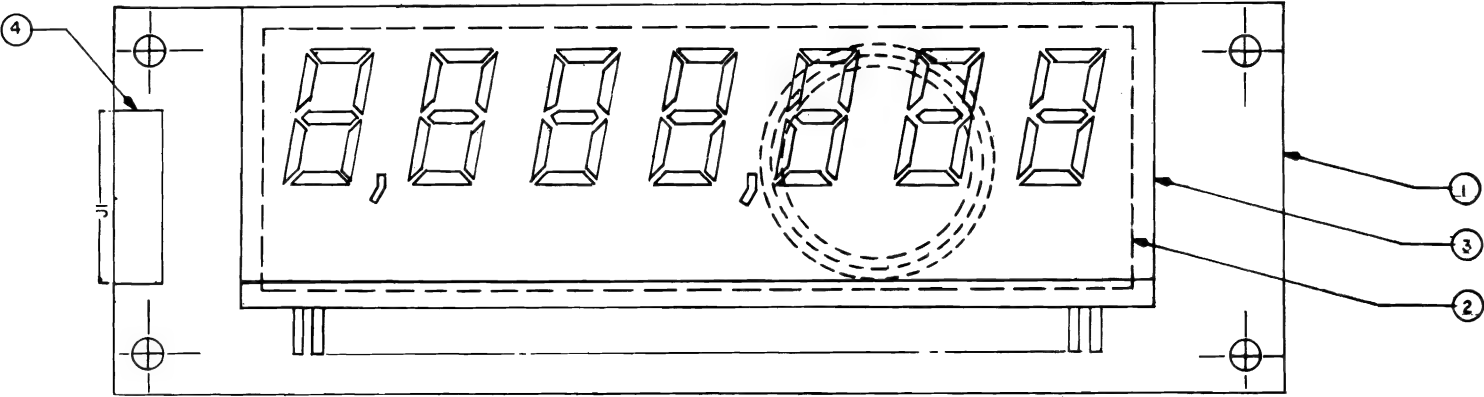
DIGIT CROSS REFERENCE

DIGIT	7-SEGMENT DECODER/DRIVER	STROBE (DRIVER)
Credit 10's	IC4/IC2	1 (IC13)
Credit Units	IC4/IC2	9 (IC12)
Match 10's	IC3/IC1	1 (IC7)
Match Units	IC3/IC1	9 (IC8)
#1 1,000,000's	IC3/IC1	2 (IC13)
#1 100,000's	IC3/IC1	3 (IC13)
#1 10,000's	IC3/IC1	4 (IC13)
#1 1,000's	IC3/IC1	5 (IC13)
#1 100's	IC3/IC1	6 (IC13)
#1 10's	IC3/IC1	7 (IC13)
#1 Units	IC3/IC1	8 (IC13)
#2 1,000,000's	IC3/IC1	10 (IC12)
#2 100,000's	IC3/IC1	11 (IC12)
#2 10,000's	IC3/IC1	12 (IC12)
#2 1,000's	IC3/IC1	13 (IC12)
#2 100's	IC3/IC1	14 (IC12)
#2 10's	IC3/IC1	15 (IC12)
#2 Units	IC3/IC1	16 (IC12)
#3 1,000,000's	IC4/IC2	2 (IC8)
#3 100,000's	IC4/IC2	3 (IC8)
#3 10,000's	IC4/IC2	4 (IC8)
#3 1,000's	IC4/IC2	5 (IC8)
#3 100's	IC4/IC2	6 (IC8)
#3 10's	IC4/IC2	7 (IC8)
#3 Units	IC4/IC2	8 (IC8)
#4 1,000,000's	IC4/IC2	10 (IC7)
#4 100,000's	IC4/IC2	11 (IC7)
#4 10,000's	IC4/IC2	12 (IC7)
#4 1,000's	IC4/IC2	13 (IC7)
#4 100's	IC4/IC2	14 (IC7)
#4 10's	IC4/IC2	15 (IC7)
#4 Units	IC4/IC2	16 (IC7)
#1 Comma	-/IC1	2.5 (IC13)
#2 Comma	-/IC2	10.13 (IC12)
#3 Comma	-/IC1	2.5 (IC8)
#4 Comma	-/IC2	10.13 (IC7)



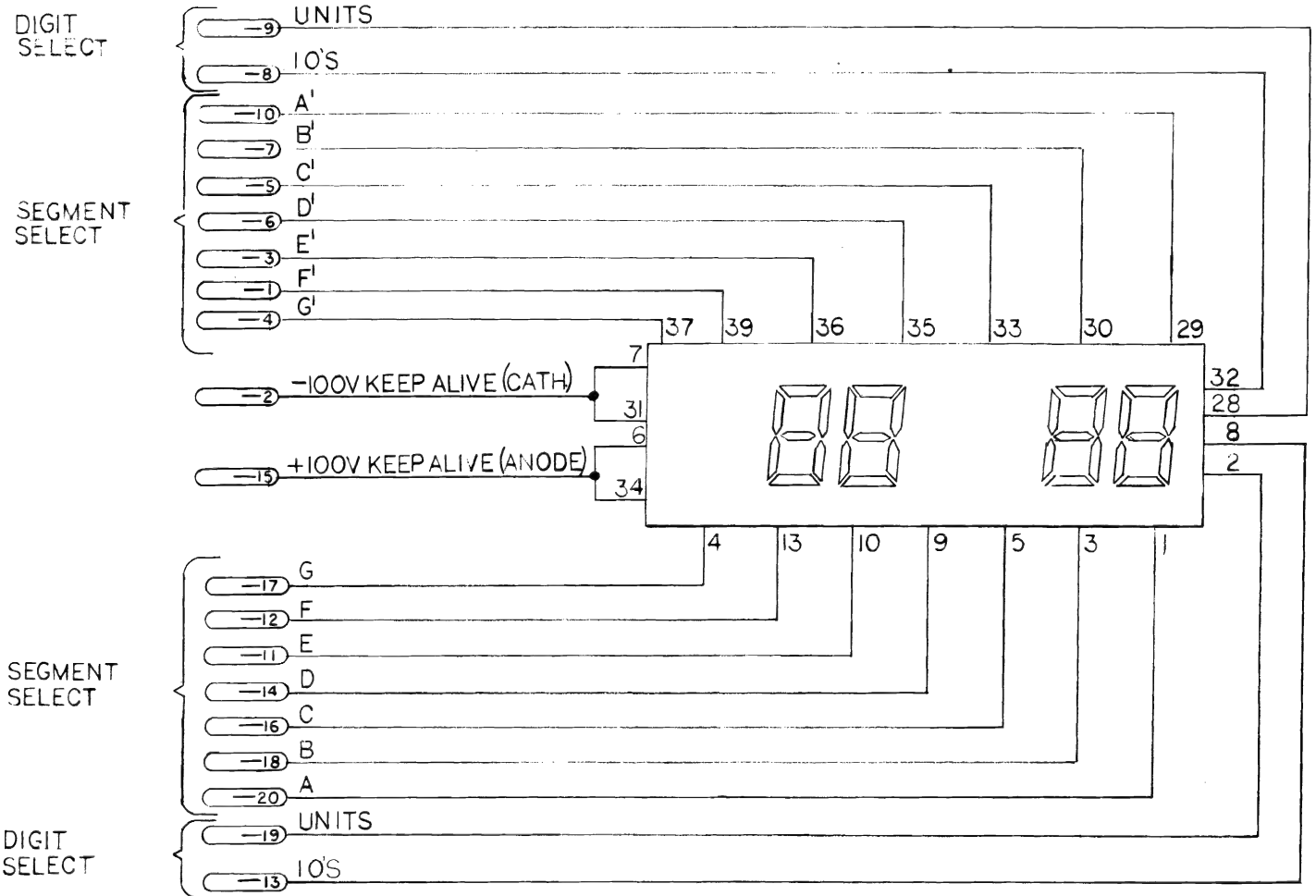
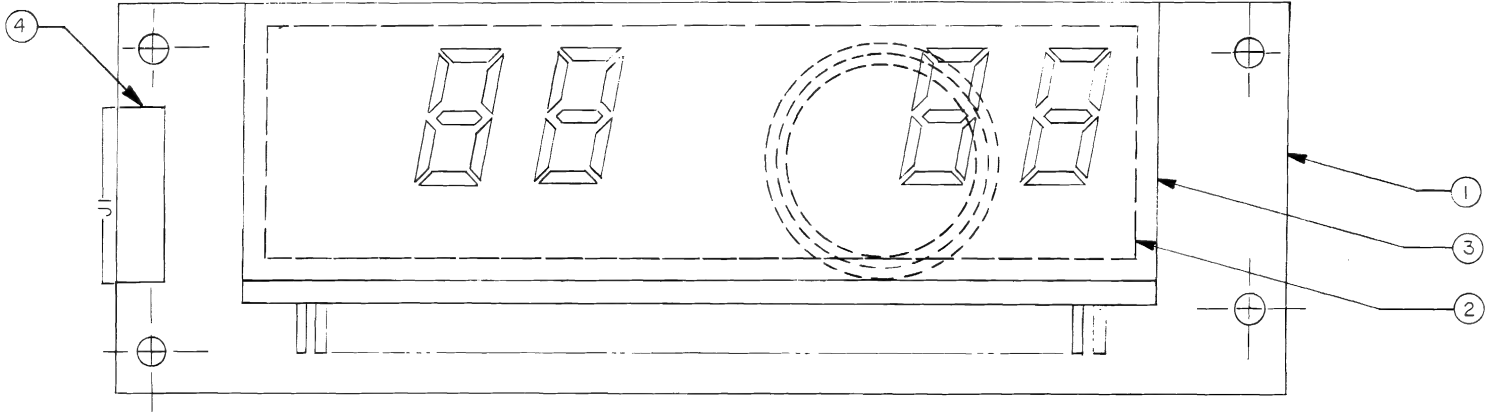
C 8363 Master Display Board Logic Diagram

BILL OF MATERIAL				
ITEM	PART NO.	PART DESIGNATION	DESCRIPTION	REQ'D
1	5162-0944B-XP		SLAVE DISPLAY P.C. BOARD	1
2	23-6545		DISPLAY MTG ADHESIVE FOAM	1
3	5670-0943B-XP		7 DIGIT DISPLAY	1
4	5791-0943B-XP	J1	20 PIN RIBBON HEADER	1
5	03-1613-2		CAPLUG	1



C 8364 PLAYER SLAVE DISPLAY

BILL OF MATERIAL				
ITEM	PART NO.	PART DESIGNATION	DESCRIPTION	REQ'D
1	5161-0946B-00		CREDIT/MATCH SLAVE P.C. BOARD	1
2	23-6545		FOAM DISPLAY - BACK	1
3	5670-0944B-00		4 DIGIT DISPLAY	1
4	5791-0943B-00	J1	20 PIN RIBBON HEADER	1
5	23-6546		FOAM DISPLAY - FRONT	1
6	03-1613-2		CAPLUG	1



C 8365 CREDIT/MATCH SLAVE DISPLAY

